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PTO/SB/05 (1/98)
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UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. 99108

First Inventor or Application Identifier Hans Toschner, et al

Title PARTICLE MULTIBEAM LITHOGRAPHY

(Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. EM 311373633 US Assistant Commissioner for Patents APPLICATION ELEMENTS ADDRESS TO: **Box Patent Application** See MPEP chapter 600 concerning utility patent application contents. Washington, DC 20231 * Fee Transmittal Form (e.g., PTO/SB/17) Microfiche Computer Program (Appendix) x (Submit an original, and a duplicate for fee processing) 7. Nucleotide and/or Amino Acid Sequence Submission Total Pages 2. Х Specification 21 (if applicable, all necessary) (preferred arrangement set forth below) Descriptive title of the Invention Computer Readable Copy - Cross References to Related Applications Paper Copy (identical to computer copy) b. - Statement Regarding Fed sponsored R & D - Reference to Microfiche Appendix Statement verifying identity of above copies C. - Background of the Invention - Brief Summary of the Invention **ACCOMPANYING APPLICATION PARTS** - Brief Description of the Drawings (if filed) 8.**|**X Assignment Papers (cover sheet & document(s)) - Detailed Description 37 C.F.R.§3.73(b) Statement - Claim(s) Power of Attorney (when there is an assignee) - Abstract of the Disclosure 10 English Translation Document (if applicable) 3. Drawing(s) (35 U.S.C. 113) [Total Sheets Ix Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations Oath or Declaration [Total Pages 12. Preliminary Amendment Newly executed (original or copy) Return Receipt Postcard (MPEP 503) Copy from a prior application (37 C.F.R. § 1.63(d)) 13. (for continuation/divisional with Box 17 completed) (Should be specifically itemized) [Note Box 5 below] Small Entity Statement filed in prior application, **DELETION OF INVENTOR(S)** Statement(s) Status still proper and desired Signed statement attached deleting (PTO/SB/09-12) inventor(s) named in the prior application: Certified Copy of Priority Document(s) see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b). (if foreign priority is claimed) Incorporation By Reference (useable if Box 4b is checked) Applicant hereby petitions for an Other: The entire disclosure of the prior application, from which a extension of time whenever such a copy of the oath or declaration is supplied under Box 4b, is petition is required * A new statement is required to be entitled to pay small entity fees, except considered to be part of the disclosure of the accompanying where one has been filed in a prior application and is being relied upon. application and is hereby incorporated by reference therein. 17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment: of prior application No: Continuation-in-part (CIP) Continuation Divisional Prior application information: Group / Art Unit: 18. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label Correspondence address below (Insert Customer No. or Attach bar code label here) Thomas R. Vigil Name Vigil & Associates 836 S. Northwest Highway Address Suite E1 60010-4683 Zip Code Barrington State City U.S.A. 847-382-6500 847-382-6895 Fax Country Telephone

Name (PrinvType) Thomas R. Vigil Registration No. (Attorney/Agent) 24,542

Signature Date 8/17/99

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PATENT
USSN - New US Pat. Appl.
Atty Docket 99108

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

New patent application:	Applicant (s) :
Regular	Hans Loschner, Gerhard Stengl and
Convention	Herbert Vonach
File Wrapper Continuation	
Divisional/Continuation	Serial No.
Contraction in next	Title:
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PCT Application	
Continuation of PCT No	
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"Express Mail" Mailing Label No	FM 311373633 US
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(Signature of person mailing	paper of fee)
The documents enclosed with and being f	
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<u>4</u> pages of claims con	ntaining <u>28</u> claims
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6 sheets of drawings	containing <u>8</u> FIG's.
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and no executed Declaration	• •



PTO/SB/10 (12-97)

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STATEMENT CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) & 1.27(c))SMALL BUSINESS CONCERN	Docket Number (Optional) 99108
Applicant, Patentee, or Identifier Hans Loschner, Gerhard Stengl and Application or Patent No.: Filed or Issued: August 17, 1999	Herbert Vonach
Filed or issued: August 17, 1999 Title: XMXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
100. 72400 1220 1711 1711 1711 1711 1711	
I hereby state that I am the owner of the small business concern identified below: an official of the small business concern empowered to act on behalf of the concern an official of the small business concern empowered to act on behalf of the concern empowered empowered to act on the concern empowered emp	•
NAMEOFSMALLBUSINESSCONCERN IMS Ionen-Mikrofabrikations	Systeme Gmbli
ADDRESS OF SMALL BUSINESS CONCERN Schreydasse 3 1020 Vienna, AUSTRIA	
I hereby state that the above identified small business concern qualifies as a small to CFR Part 121 for purposes of paying reduced fees to the United States Patent and Trade of employees of the concern, including those of its affiliates, does not exceed 500 persons. (1) the number of employees of the business concern is the average over the previous fiscal year employed on a full-time, part-time, or temporary basis during each of the pay periods of the are affiliates of each other when either, directly or indirectly, one concern controls or has the athird party or parties controls or has the power to control both.	For purposes of this statement, ear of the concern of the persons ne fiscal year, and (2) concerns ne power to control the other, or
I hereby state that rights under contract or law have been conveyed to and remain videntified above with regard to the invention described in:	vith the small business concern
 the specification filed herewith with title as listed above. the application identified above. the patent identified above. 	
If the rights held by the above identified small business concern are not exclusive organization having rights in the invention must file separate statements as to their status to the invention are held by any person, other than the inventor, who would not qualify as 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qual under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).	an independent inventor under
Each person, concern, or organization having any rights in the invention is listed be no such person, concern, or organization exists. — each such person, concern, or organization is listed below.	wole
Separate statements are required from each named person, concern or organization stating their status as small entities. (37 CFR 1.27)	i i
I acknowledge the duty to file, in this application or patent, notification of any char entitlement to small entity status prior to paying, or at the time of paying, the earliest of the fee due after the date on which status as a small entity is no longer appropriate. (37 CFI	to ideas tea at any the
NAME OF PERSON SIGNING MAX BAYERL	
TITLE OF PERSON IF OTHER THAN OWNER	()
ADDRESS OF PERSON SIGNING SEE ABOVE (IM.	17 100
SIGNATURE DATE	Hug 11

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STATEMENT CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) & 1.27(b))INDEPENDENT INVENTOR	Docket Number (Optional) 99108
Applicant, Patentee, or Identifier: Hans Loschner, Gerhard Stengl a	nd Herbert Vonach
Application or Patent No.:	
Filed orlssued: August 17, 1999	
PARTICLE Title: MULTIBEAM LITHOGRAPHY	
As a below named inventor, I hereby state that I qualify as an independent invent for purposes of paying reduced fees to the Patent and Trademark Office describe	or as defined in 37 CFR 1.9(c) ed in:
the specification filed herewith with title as listed above.	
the application identified above.	
the patent identified above.	
I have not assigned, granted, conveyed, or licensed, and am under no obligation grant, convey, or license, any rights in the invention to any person who would not quunder 37 CFR 1.9(c) if that person had made the invention, or to any concern who business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR	iallfy as an independent inventor nich would not qualify as a small
Each person, concern, or organization to which I have assigned, granted, conve obligation under contract or law to assign, grant, convey, or license any rights in	yed, or licensed or am under an the invention is listed below:
No such person, concern, or organization exists.	
Each such person, concern, or organization is listed below.	
IMS Ionen-Mikrofabrikations Systeme GmbH Schreygasse 3 1020 Vienna, AUSTRIA	
Separate statements are required from each named person, concern, or organiza stating their status as small entities. (37 CFR 1.27)	tion having rights to the invention
I acknowledge the duty to file, in this application or patent, notification of any chaentitiement to small entity status prior to paying, or at the time of paying, the maintenance fee due after the date on which status as a small entity is no longer	earliest of the issue fee or any
Hans Inschner NAME OF INVENTOR Signature of inventor Aug G. 1999 Aug 17 1990	Herbert Vonach NAME OF INVENTOR Signature of inventor
Date Date	Date

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Application for Letters Patent of the UNITED STATES OF AMERICA by -

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For:

PARTICLE MULTIBEAM LITHOGRAPHY

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims priority from Austrian Patent Application No. A 1415/98 filed August 19, 1998